



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/577,588

05/15/2006

Josef Schmidt

12604/23

8455

26646 7590 06/19/2009
KENYON & KENYON LLP
ONE BROADWAY
NEW YORK, NY 10004

EXAMINER

HO, HA DINH

ART UNIT

PAPER NUMBER

3655

MAIL DATE

DELIVERY MODE

06/19/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/577,588	Applicant(s) SCHMIDT ET AL.	
	Examiner HA D. HO	Art Unit 3655	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 April 2009.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 44,47,50-100 and 102 is/are pending in the application.
- 4a) Of the above claim(s) is/are withdrawn from consideration.
- 5) ☒ Claim(s) 51-100 and 102 is/are allowed.
- 6) ☒ Claim(s) 44,47 and 50 is/are rejected.
- 7) ☐ Claim(s) is/are objected to.
- 8) ☐ Claim(s) are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. .
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. <u> </u> . |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u> </u> . | 6) <input type="checkbox"/> Other: <u> </u> . |

DETAILED ACTION

1. This Office Action is responsive to Amendment filed 04/16/09. Claims 44, 47, 50-100 and 102 are currently pending.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claim 44 is rejected under 35 U.S.C. 103(a) as being unpatentable over Heun et al (US 5,632,469) in view of Jensen et al (US 5,202,596).

Heun et al shows a compact drive (see Fig. 2) comprising at least three drive components including an electric motor 2, a gear unit 9 and an electronic circuit including a frequency converter 14; a central housing part (10), each drive component surrounded by the central housing part; and at least one housing cover (10a) of the respective drive component to form a specific housing.

Heun et al does not show the frequency converter being positioned laterally with respect to a rotor shaft of the electric motor.

Jensen et al show an electric motor 1 (see Fig. 1) including a frequency converter 3, wherein the frequency converter 3 is positioned laterally with respect to a rotor shaft (the shaft of the motor 1) of the electric motor 1.

Art Unit: 3655

It would have been obvious to one of ordinary skill in the art at the time the invention was made to relocate the frequency converter of Heun et al such that it is positioned laterally with respect to a rotor shaft of the electric motor in view of Jensen, since shifting/relocating the frequency converter to a different position would not modify the operation of the device. The courts have held that shifting location of parts would have been an obvious expedient (In re Japikse, 86 USPQ 70 (CCPA 1950)).

4. Claims 47 and 50 are rejected under 35 U.S.C. 103(a) as being unpatentable over Heun et al (US 5,632,469) in view of Adams (US 4,838,106) and Jensen et al (US 5,202,596).

Heun et al shows a compact drive (see Fig. 1) comprising at least three drive components (2, 14, 9) including an electric motor 2, a gear unit 9 and an electronic circuit including a frequency converter 14; and a central housing part 2, a stator (the rotor is arranged about the rotor mounted on the motor shaft).

Heun et al does not show the stator of the electric motor 2 detachably connected to the central housing part 2.

Adams shows a compact drive, wherein the stator 24 of the electric motor 23 is detachably connected to the central housing part 10 by clamping joint 26.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the compact drive of Heun et al to have the stator of the electric motor detachably connected to the central housing part in view of Adams so that it will be easy to assembly/disassembly for maintenance.

Art Unit: 3655

Heun et al does not show the frequency converter being positioned laterally with respect to a rotor shaft of the electric motor.

Jensen et al show an electric motor 1 (see Fig. 1) including a frequency converter 3, wherein the frequency converter 3 is positioned laterally with respect to a rotor shaft (the shaft of the motor 1) of the electric motor 1.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to relocate the frequency converter of Heun et al such that it is positioned laterally with respect to a rotor shaft of the electric motor in view of Jensen, since shifting/relocating the frequency converter to a different position would not modify the operation of the device. The courts have held that shifting location of parts would have been an obvious expedient (In re Japikse, 86 USPQ 70 (CCPA 1950)).

Allowable Subject Matter

5. Claims 51-100 and 102 are allowed.

Response to Arguments

6. Applicant's arguments with respect to claims 44 and 47 have been considered but are moot in view of the new ground(s) of rejection (see paragraphs 3 and 4 above).

Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

Art Unit: 3655

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Cited Prior Art

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure (see the attached form PTO-892).

Communication

9. Submission of your response by facsimile transmission is encouraged. The fax phone numbers for the organization where this application or proceeding is assigned are **(571) 273-8300**. Recognizing the fact that reducing cycle time in the processing and examination of patent applications will effectively increase a patent's term, it is to your benefit to submit responses by facsimile transmission whenever permissible. Such submission will place the response directly in our examining group's hands and will eliminate Post Office processing and delivery time as well as the PTO's mail room processing and delivery time. For a complete list of correspondence not permitted by facsimile transmission, see M.P.E.P. 502.01. In general, most responses and/or amendments not requiring a fee, as well as those requiring a fee but charging such fee to a deposit account, can be submitted by facsimile transmission. Responses requiring a fee which applicant is paying by check should not be submitting by facsimile transmission separately from the check. Responses submitted by facsimile transmission should include a Certificate of Transmission (M.P.E.P. 512). The following is an example of the format the certification might take:

I hereby certify that this correspondence is being facsimile transmitted to

Art Unit: 3655

the Patent and Trademark Office on _____
(Date)

Typed or printed name of person signing this certificate:

(Signature)

If your response is submitted by facsimile transmission, you are hereby reminded that the original should be retained as evidence of authenticity (37 CFR 1.4 and M.P.E.P. 502.02). Please do not separately mail the original or another copy unless required by the Patent and Trademark Office. Submission of the original response or a follow-up copy of the response after your response has been transmitted by facsimile will only cause further unnecessary delays in the processing of your application; duplicate responses where fees are charged to a deposit account may result in those fees being charged twice.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HA D. HO whose telephone number is **571-272-7091**. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Marmor can be reached on **571-272-7095**.

10. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/HDH/
(571) 272-7091
June 19, 2009

/Ha D. Ho/
Primary Examiner, A.U. 3655